



**\*\* FOR IMMEDIATE RELEASE \*\***

## ***New Products***

### **Pico-I/O™ Module Provides 16 TTL/LVTTL Digital I/O and 8 Relay Outputs**

*Embedded Systems Conference Silicon Valley Press Release—ACCES I/O Products, Inc.—Booth 1814*

SAN DIEGO, CA—March 30, 2009—ACCES I/O Products, Inc. is excited to announce the first of a new line of small form factor products—Pico-I/O Model PICO-DIO16RO8. Designed for expansion on Pico-ITXe single board computers, this product features 16 industrial strength TTL/LVTTL digital I/Os and 8 form C electromechanical relay outputs. This mix of programmable inputs and outputs together with the dedicated relays allows system designers greater flexibility while containing overall costs.

The tiny module occupies just half the area of a PC/104 board yet approaches the capability commonly found on the larger board standard. This board is perfect for deployment into space-limited applications and follows the ever-shrinking platform of the single board computer into the Pico-ITXe standard by VIA and other manufacturers. Bus and power connections are built on the SUMIT™ (Stackable Unified Module Interconnect Technology) connector standardized by the Small Form Factors Special Interest Group (SFF-SIG: [www.sff-sig.org](http://www.sff-sig.org)) and manufactured by powerhouse SAMTEC.

The development of this new board form factor together with the widespread need for low-cost high reliability digital I/O and relays will surely promote industry acceptance of this platform standard as a viable option when making system architecture decisions.

The 16 non-isolated digital I/O lines are programmable as inputs for monitoring dry contacts or outputs for controlling external devices such as LEDs and other indicators or system equipment. The relay outputs are robust with NO, NC and C contacts available and the choice of many embedded system designers.

Key features of the PICO-DIO16RO8 include:

- **Pico-I/O™ USB device featuring SUMIT™ stacking connector**
- **16-channel TTL/LVTTL digital I/O**
- **All 16 I/O lines buffered with 32mA sink/source current capabilities**
- **8 Form C electro-mechanical relays switch 1A**
- **Up to 4 I/O expansion boards in SUMIT™ stack**
- **Custom high-speed function driver**

The PICO-DIO16RO8 utilizes a high-speed custom function driver optimized for a maximum data throughput that is 50-100 times faster than the USB human interface device (HID) driver used by many competing products. This approach maximizes the full functionality of the hardware along with capitalizing the advantage of high-speed USB 2.0. The PICO-DIO16RO8 is supported for use in most USB supported operating systems and includes a free Linux and Windows 98se/Me/2000/XP/2003 compatible software package. This package contains sample programs and source code in Visual Basic, Delphi, and Visual C++ for Windows. Also incorporated is a graphical setup program in Windows. Third party support includes a Windows standard DLL interface usable from the most popular application programs. Embedded OS support includes Windows Xpe.

#### **About ACCES I/O Products, Inc.**

For over 20 years, ACCES I/O Products, Inc. has supplied an extensive range of analog, digital, serial communication, and isolated I/O boards and solutions. ACCES also offers complete systems, integration services and enclosures with a quick turn-around on custom projects including software. ACCES products are designed for use with Pico-ITXe, PC/104, PCI, PCI-X, Low Profile PCI, EBX, ETX, EPIC, USB, Ethernet

and ISA, as well as distributed and wireless I/O. All hardware comes with a 30-day, no-risk return policy and a three-year warranty. For further information, visit the company's web site at [www.accessio.com](http://www.accessio.com)

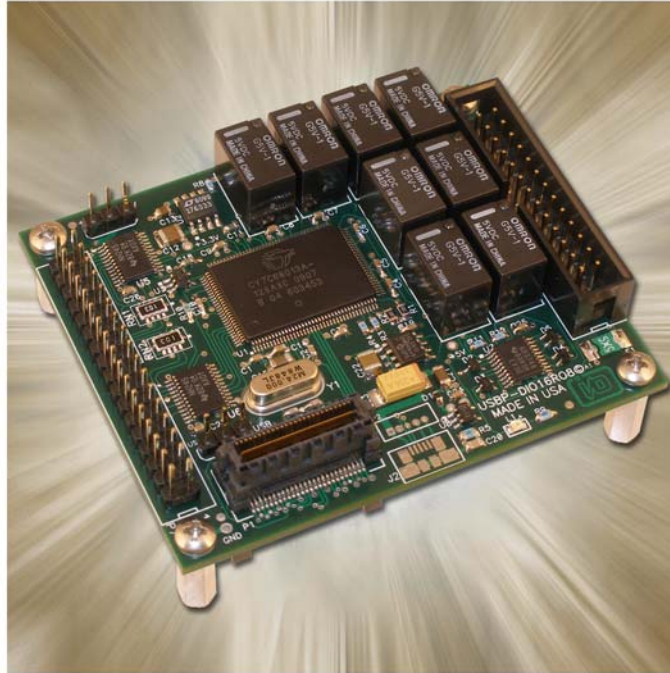
**Price:** Model PICO-DIO16RO8—\$199.00  
OEM and volume pricing available, consult factory  
High resolution image available for downloading at:  
[www.accessio.com/files/PICO-DIO16RO8.jpg](http://www.accessio.com/files/PICO-DIO16RO8.jpg)

**Availability:** Now

**Delivery:** Stock to two weeks ARO

**For Further Information, Contact:**

Chris Persidok  
Marketing Manager  
ACCES I/O Products, Inc.  
10623 Roselle Street, San Diego, CA 92121  
Tel: 858.550.9559 • FAX: 858.550.7322  
E-mail: [cpersidok@accessio.com](mailto:cpersidok@accessio.com)  
URL: [www.accessio.com](http://www.accessio.com)



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